



Portsmouth Gaseous Diffusion Plant Inactive Facilities for Removal

July 2002



PORTS Overview



PORTS Inactive Facilities

- 21 total facilities
- No longer being used & within DOE program
- 4 have completed formal deactivation
- Structures constructed between 1954 & 1983
- Structures in each of the 4 Quadrants
- Combined building footprint: ~350,000 sq ft
- Estimated volume as waste: ~400,000 cu ft



Inactive Facilities Removal (IFR)

General Scope

- Complete gross decontamination and deactivation
- Decontamination and loose debris removal
- HVAC / Utilities / Systems removal
- Process equipment removal
- Facility shell removal
- Structural materials removal
- Slab removal



IFR General Scope, cont'd

- Off-site debris characterization, packaging, and transport to disposal



PORTS Inactive Facilities

- X-105 – Electronic Maintenance Facility
 - 11,000 sq ft
 - Primarily used for the maintenance of electronic equipment
- X-106B – Fire Training Facility
 - 2,400 sq ft
 - Utilized as a training facility for firefighting and rescue techniques
- X-120 – Old Weather Station
 - Former meteorological equipment tower with data panel at base



PORTS Inactive Facilities, cont'd

- **X-230J1 – Environmental Monitoring Station**
 - 100 sq ft
 - Held equipment for sampling the nearby environmental areas
- **X-230J8 – Environmental Storage Building**
 - 100 sq ft
 - Held various field sampling equipment
- **X-342C – Waste HF Neutralization Pit**
 - 2,000 sq ft
 - Neutralized hydrogen fluoride solutions from X-342
- **X-344C – HF Storage Building**
 - 1,600 sq ft
 - Stored hydrogen fluoride liquid for use in fluorine generation at X-342A



PORTS Inactive Facilities, cont'd

- X-344E – Gas Ventilation Stack
 - Provided forced air ventilation for the area performing hydrogen fluoride transfers
- X-344F – Safety Building
 - 100 sq ft
 - Housed an emergency shower for the area
- X-615 – Old Sewage Treatment Plant
 - 6,000 sq ft with various outside tankage
 - Site sewage treatment through 1982



PORTS Inactive Facilities, cont'd

- X-616 – Liquid Effluent Control Facility
 - 2,000 sq ft
 - Processed chromium-containing cooling water blowdown from the site to remove chromium by precipitation
- X-701D – Water Deionization Building
 - 700 sq ft
 - Performed water deionization for laboratory uses
- X-720A – Maint. Bldg Gas Manifold Shed
 - 1,000 sq ft
 - Fed various gases to the maintenance building



PORTS Inactive Facilities, cont'd

- X-740 – Waste Oil Storage Facility
 - 6,000 sq ft
 - Staged waste oils requiring analysis for disposition
- X-744(N,P,Q) – Lithium Warehouses
 - 45,000 sq ft
 - Storage warehouses
- X-744(S,T,U) – Lithium/Non-UEA Warehouses
 - 245,000 sq ft
 - Stored lithium



PORTS Inactive Facilities, cont'd

- X-770 – Mechanical Test Facility
 - 23,000 sq ft
 - Acted as a full-scale test facility for process equipment, including capability to run process gas via a loop tie-in to enrichment process



X-105 – Electronic Maintenance Facility

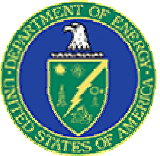


**BECHTEL
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Bechtel Jacobs Company LLC

X-106B – Old Fire Training Facility



X-120 – Old Weather Station



X-230J1 – Environmental Monitoring Station



X-230J8 – Environmental Storage Building



X-342C – Waste HF Neutralization Pit



X-344C – HF Storage Building



X-344E – Gas Ventilation Stack



X-344F – Safety Building



X-615 – Old Sewage treatment Facility



X-616 – Liquid Effluent Facility



X-701D – Water Deionization Facility



X-720A – Maintenance Building Manifold Shed



X-740 – Waste Oil Storage Facility



X-744(N,P,Q) – Lithium Warehouses



X-744(S,T,U) – Lithium/Non-UEA Warehouses



X-770 – Mechanical Test Facility

